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**From:** Hogan, Karen [Hogan.Karen@epa.gov]  
**Sent:** 11/8/2016 10:38:25 PM  
**To:** Newhouse, Kathleen [Newhouse.Kathleen@epa.gov]  
**Subject:** RE: IRIS: Benzo[a]pyrene files for final EPA/interagency review

Looks like it needs to be resolved sooner than later. I expect to be available, regardless of what happens tonight...

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**From:** Newhouse, Kathleen  
**Sent:** Tuesday, November 08, 2016 5:23 PM  
**To:** Hogan, Karen <Hogan.Karen@epa.gov>  
**Subject:** RE: IRIS: Benzo[a]pyrene files for final EPA/interagency review

Sounds good.

**Ex. 5 Deliberative Process (DP)**

**Ex. 5 Deliberative Process (DP)**

**Ex. 5 Deliberative Process (DP)** But it will be interesting what Sue thinks.

Maybe we can chat about this tomorrow?

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**From:** Hogan, Karen  
**Sent:** Tuesday, November 08, 2016 2:16 PM  
**To:** Newhouse, Kathleen <Newhouse.Kathleen@epa.gov>  
**Subject:** RE: IRIS: Benzo[a]pyrene files for final EPA/interagency review

Good points to be ready to discuss.

**Ex. 5 Deliberative Process (DP)**

**Ex. 5 Deliberative Process (DP)**

I'll have to follow up on the TCE/Johnson study and get back to you.

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**From:** Newhouse, Kathleen  
**Sent:** Tuesday, November 08, 2016 4:53 PM  
**To:** Hogan, Karen <Hogan.Karen@epa.gov>  
**Subject:** RE: IRIS: Benzo[a]pyrene files for final EPA/interagency review

Thanks Karen. You bring up a lot of good points.

**Ex. 5 Deliberative Process (DP)**

# Ex. 5 Deliberative Process (DP)

-k

**From:** Hogan, Karen  
**Sent:** Tuesday, November 08, 2016 12:08 PM  
**To:** Newhouse, Kathleen <[Newhouse.Kathleen@epa.gov](mailto:Newhouse.Kathleen@epa.gov)>; Makris, Susan <[Makris.Susan@epa.gov](mailto:Makris.Susan@epa.gov)>  
**Cc:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>  
**Subject:** RE: IRIS: Benzo[a]pyrene files for final EPA/interagency review

Quick thoughts **Ex. 5 Deliberative Process (DP)**

# Ex. 5 Deliberative Process (DP)

**From:** Newhouse, Kathleen  
**Sent:** Tuesday, November 08, 2016 2:02 PM  
**To:** Makris, Susan <[Makris.Susan@epa.gov](mailto:Makris.Susan@epa.gov)>  
**Cc:** Hogan, Karen <[Hogan.Karen@epa.gov](mailto:Hogan.Karen@epa.gov)>; Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>  
**Subject:** FW: IRIS: Benzo[a]pyrene files for final EPA/interagency review

Hi Sue, thought I would loop in case you had any thoughts. Bob K. seems to have two major issues: **Ex. 5 Deliberative Process (DP)**

# Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

I am attaching the paper in case you have time to weigh in.

-Kathleen

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**From:** Cogliano, Vincent

**Sent:** Tuesday, November 08, 2016 10:10 AM

**To:** Newhouse, Kathleen <Newhouse.Kathleen@epa.gov>; Hogan, Karen <Hogan.Karen@epa.gov>

**Subject:** FW: IRIS: Benzo[a]pyrene files for final EPA/interagency review

Hello Kathleen and Karen—Bob K seems impressed overall by the document but got hung up on one technical detail: Ex. 5 Deliberative Process (DP) Let me know what you think—  
Vince

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**From:** Kavlock, Robert

**Sent:** Tuesday, November 08, 2016 12:59 PM

**To:** Cogliano, Vincent <cogliano.vincent@epa.gov>

**Cc:** Slimak, Michael <Slimak.Michael@epa.gov>; Gwinn, Maureen <gwinn.maureen@epa.gov>

**Subject:** RE: IRIS: Benzo[a]pyrene files for final EPA/interagency review

Vince

I have gone over the BaP assessment and found to be a comprehensive review of the literature. I do, however, have a concern about the precedent here. Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

I do want to review the specific responses to comments in Appendix G but have not had the opportunity to do so yet, but I wanted to get the above concern to you sooner rather than later so it can be discussed.

Bob

# Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

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**From:** Cogliano, Vincent

**Sent:** Friday, November 04, 2016 11:43 PM

**To:** Kavlock, Robert <[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>; Gwinn, Maureen <[gwinn.maureen@epa.gov](mailto:gwinn.maureen@epa.gov)>

**Cc:** Newhouse, Kathleen <[Newhouse.Kathleen@epa.gov](mailto:Newhouse.Kathleen@epa.gov)>; Subramaniam, Ravi <[Subramaniam.Ravi@epa.gov](mailto:Subramaniam.Ravi@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Soto, Vicki <[Soto.Vicki@epa.gov](mailto:Soto.Vicki@epa.gov)>; Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Slimak, Michael <[Slimak.Michael@epa.gov](mailto:Slimak.Michael@epa.gov)>

**Subject:** IRIS: Benzo[a]pyrene files for final EPA/interagency review

Hello Bob—Here's benzo[a]pyrene for your review before we send it to step 6. You'll find the toxicological review, supplemental information, and factsheet.

Thanks are due to Kathleen Newhouse and her team—Vince